

**WEST**

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DERWENT-ACC-NO: 1995-319341  
DERWENT-WEEK: 199551  
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TITLE: Prepn. of compsn. for treating purulent- necrotic wounds - by immobilisation  
of enzyme compsn. by treatment of chitosan soln. with glutaric aldehyde soln.

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PATENT-ASSIGNEE:

ASSIGNEE

AS USSR FAR E PACIFIC OCEAN BIOORG INST

CODE

ASFAR

PRIORITY-DATA: 1990SU-4848928 (April 20, 1990)

## PATENT-FAMILY:

| PUB-NO        | PUB-DATE       | LANGUAGE | PAGES | MAIN-IPC    |
|---------------|----------------|----------|-------|-------------|
| SU 1814764 A3 | March 20, 1995 |          | 004   | A61K031/557 |

## APPLICATION-DATA:

| PUB-NO       | APPL-DATE      | APPL-NO        | DESCRIPTOR |
|--------------|----------------|----------------|------------|
| SU 1814764A3 | April 20, 1990 | 1990SU-4848928 |            |

INT-CL (IPC): A61 K 31/557; A61 K 47/48

ABSTRACTED-PUB-NO: SU 1814764A

## BASIC-ABSTRACT:

Prepn. of a compsn. for treating purulent-necrotic wounds involves immobilisation of an enzyme compsn. by treatment with a 2% chitosan gel with a soln. of glutaric aldehyde in phosphate buffer, pH 7.5 in 1:1 ratio and held at 18-20deg.C for 30 min.. The compsn. then passes through a gel of Kamchatka crab extract (KCE) contg. an enzyme complex 100-120 units/mg protein DNA-ase, 0.05-0.07 units/mg alkaline phosphatase 0.05-0.06 units/mg type 1 phosphodiesterase and 120 units/mg protease, previously dissolved in phosphate buffer, pH 7.5, chitosan to extract ratio 1:(25-5) (by wt.).

USE - The compsn. is useful in the treatment of heat burns, trophic ulcers and infected wounds.

ADVANTAGE - The compsn. has a therapeutic effect.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PREPARATION COMPOSITION TREAT PURULENT NECROSIS WOUND IMMOBILISE ENZYME  
COMPOSITION TREAT CHITOSAN SOLUTION GLUTARIC ALDEHYDE SOLUTION

DERWENT-CLASS: B05

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